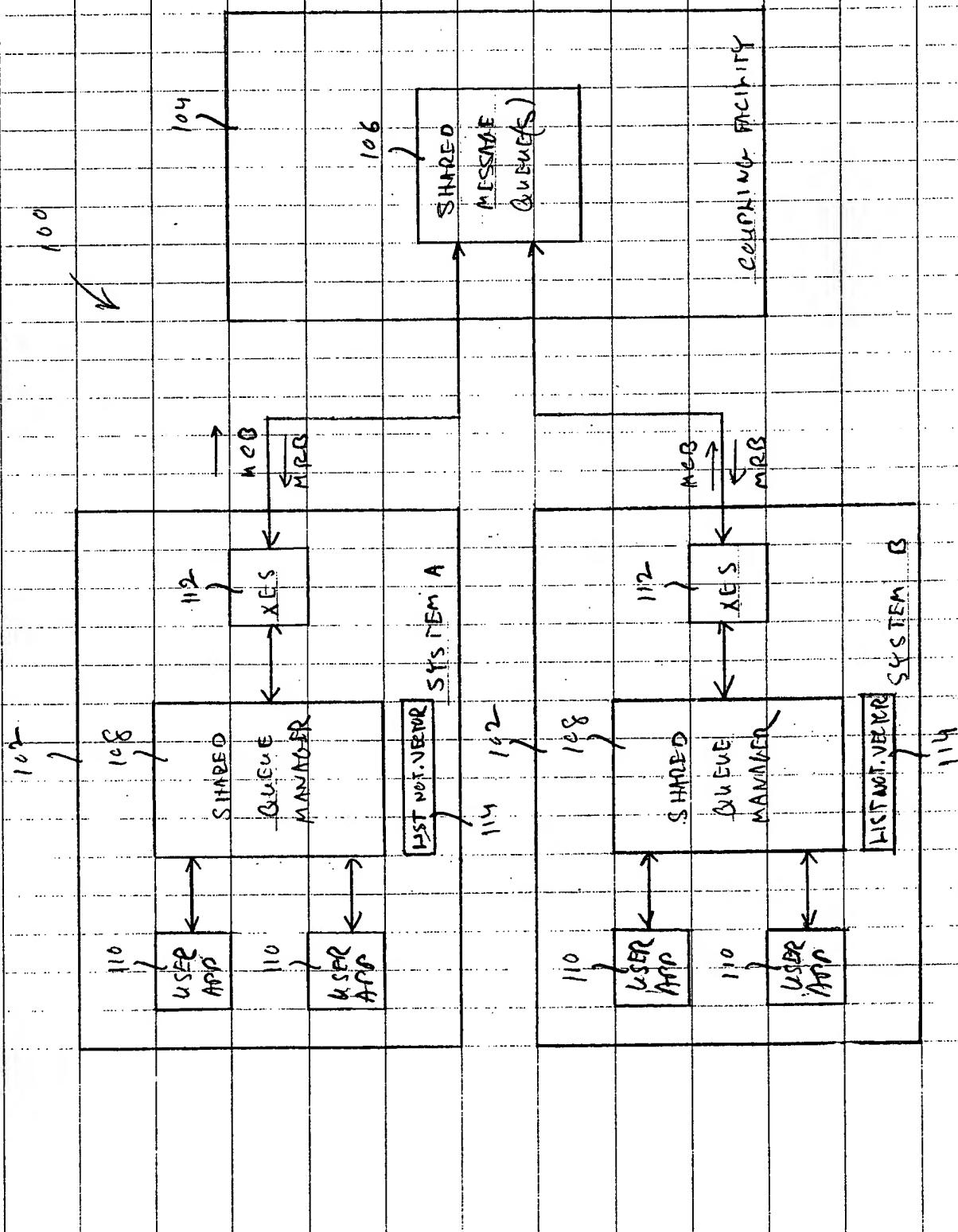


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Fig. 1



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	208 1	COMMITTED PORTION	UNCOMMITTED PORTION	210 1
202 1	209 1	204 1	204 1	
HEADER	ENTRY TICK	ENTRY TICK	ENTRY TICK	

FIG. 2

PUT LIST				
206 1	204 1	204 1	204 1	
HEADER	ENTRY TICK	ENTRY TICK	ENTRY TICK	

FIG. 3

GET LIST

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SYSTEM create (stack)		PUTLIST	BINARY ZERO'S
'F6'	QWORD	PRIORITY & QWORD	HEADER
X			

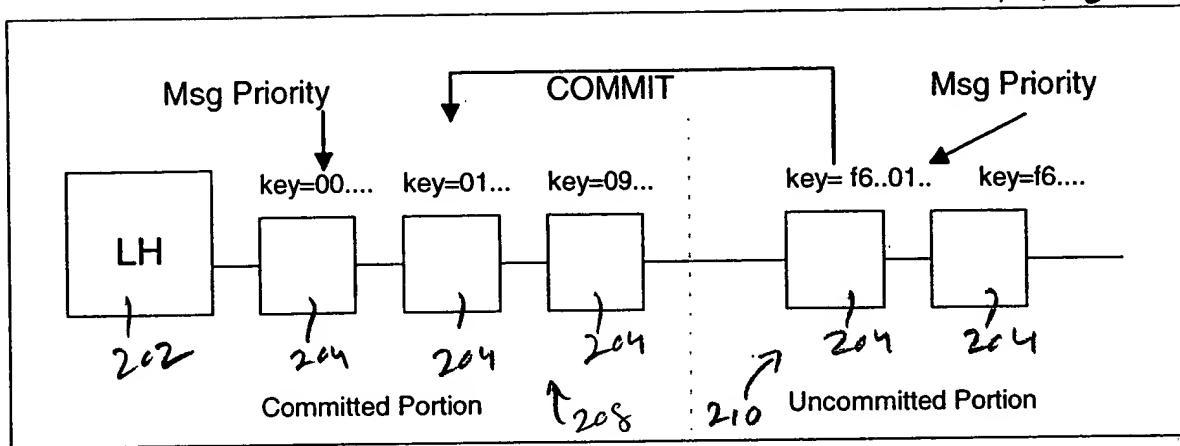
FIG. 4
new ID

SYSTEM create (stack)		PUTLIST	BINARY ZERO'S
PREV-	ITR	HEADER	QWORD
X			

FIG. 5

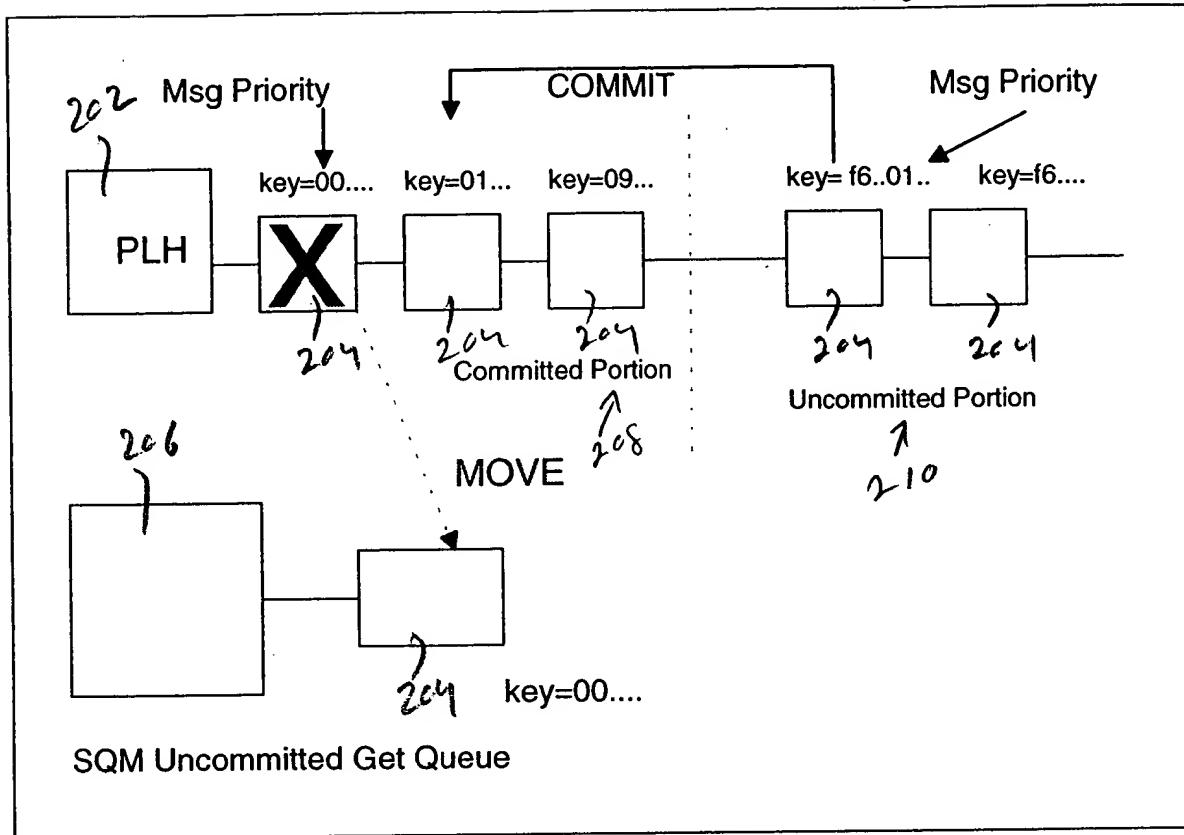
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FIG-6



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FIG. 7



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802

MESSAGE PUT

804

FIG. 8A

811

MESSAGE GET

816

FIG. 8D

ADD LIST ENTRY TO
PUT LIST HAVING
LIST ENTRY KEY WITHIN
UNCOMMITTED KEY RANGE

EXAMINE ENTRY
AT HEAD OF PUT
LIST

MODIFY LIST ENTRY
KEY TO FALL WITHIN
COMMITTED KEY RANGE

COPY CONTENTS OF
LIST ENTRY FROM
LIST STRUCTURE
TO VIRTUAL STORAGE

PUT ABORT

MOVE LIST ENTRY
TO LEADING SHARED
QUEUE MANAGER'S
UNCOMMITTED QM
QUEUE

DELETE LIST ENTRY
FROM UNCOMMITTED
PORTION OF PUT LIST

END

820

824

FIG. 8C

822

V

C

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826

GET COMMIT

FIG. 8E

826

DELETE MESSAGE
FROM SHARED QUEUE
MANAGER'S UNCOMMITTED
GET QUEUE

830

GET ABORT

832

MOVE MESSAGE BACK
TO COMMITTED PUT LIST
PRESERVE PRIORITY
AND TIME SEQUENCE
POSITION

FIG. 8F

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LIST STRUCTURE

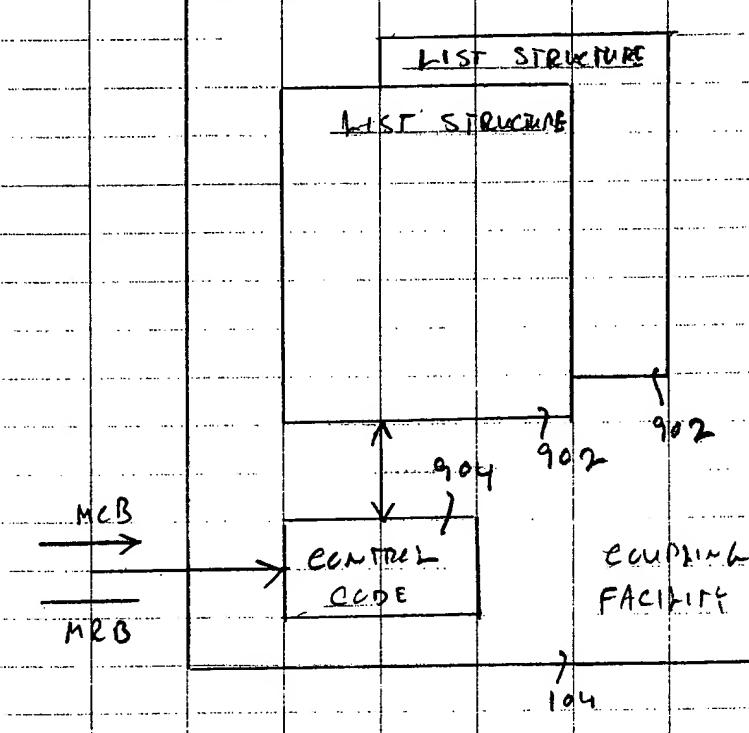


FIG. 9

MESSAGE COMMAND BLOCK

MESSAGE HEADER

COMMAND BLOCK

REQUEST OPERANDS

MESSAGE RESPONSE BLOCK

RESPONSE DESCRIPTOR

RESPONSE OPERANDS

?

DATA BLOCK

FIG. 10

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902

LIST STRUCTURE 1

1102

LIST - STRUCTURE CONTROLS

LC	ER E (PI)	SAU
LELX	EMCC	SS
LST	LSEC	SSCI
MOTES	LSEC	TMELC
MXSS	MEMCC	TMEC
	MLSEC	TMEMC
	MLSEC	TSS
	MRSS	UDIV
	MASS	USC
	PETER	

LIST 0

1106

LIST 1

1108 USER CONTROLS

1110

INT	UAC
SYIO	UAU
	US

LOCK TABLE

1108

LOCK - TABLE
ENTRYLOCK - TABLE
ENTRY

LIST N

EVENT-
QUEUE
CONTROLS

1114

EVENT
QUEUE

1116

LIST SET

1104

FIG. 11

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1202

1 LIST CONTROLS

AK	LAU
AKT	LCUR
CDIR	LELG/LEC
KRENT	LELCT/L ECL
KRL EK	LEN T
KRM AEK	L NENT
KRN ENT	L STC

1204
KEY-RANGE MON
ITOR TABLE (CRMT)

LIST-MONITOR - 1206
TABLE (LMT)

1208
LIST ENTRY

1208
LIST ENTRY

1210
LIST ENTRY CONTROLS

AFC	LN
DLEG	VN
LEIO	NDE
LEK	

DATA LIST ENTRY

LE	LE
1214	1214

1212

SLEK
SAOE

1216

ADDUNCT LIST ENTRY

1211
LIST

1106

FIG. 12

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1204

KEY-RANGE MONITOR TABLE (KRMT)

)

1302

)

1303

)

1302

)

KRMAB

KRNEN

KRNRT

KRMT ENTRY

KRMAB

KRNEN

KRNRT

KRMT ENTRY

KRMAB

KRNEN

KRNRT

KRMT ENTRY

FIG. 13A

1206

LIST-MONITOR TABLE (LMT)

1304

)

1304

)

1304

)

LMAB

LNRT

LNEN

LMT ENTRY

LMAB

LNRT

LNEN

LMT ENTRY

LMAB

LNRT

LNEN

LMT ENTRY

FIG. 13D

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EVENT-QUEUE CONTROLS	EVENT-MONITOR CONTROLS	EVENT-MONITOR CONTROLS	EVENT-MONITOR CONTROLS
EMC&C	ANENI		
ENEN	EMQ&I		
GNRT	LEK/SLEK		
EQ MAB	LN		
EQTC	KT		
KT	UID		
?	UNC	?	?
1114	1306	1306	1306

FIG. 13c

EVENT QUEUE 1116

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FIG. 14

CF MANAGER	CSQEMGR	CSQERWIP
CSQE BMON	CSQEMGR	CSQE SELECT
CSQE BM01	CSQEMGR	CSQE SQRK
CSQE CCONN	CSQEMGR	CSQE SGN1
CSQE INTC	CSQEMGR	CSQE THRD
CSQE EXP	CSQEMGR	CSQE TRP
CSQE MEX1	CSQEMGR	CSQE TRQS
CSQE INPUT	CSQEMGR	CSQE UNIC
CSQE MPU1	CSQERWIK	CSQE UWIK
DATA MANAGER	REPOSITORY MANAGER	CSQE UWCUW
MESSAGE MANAGER	SHARED QUEUE MANAGER	

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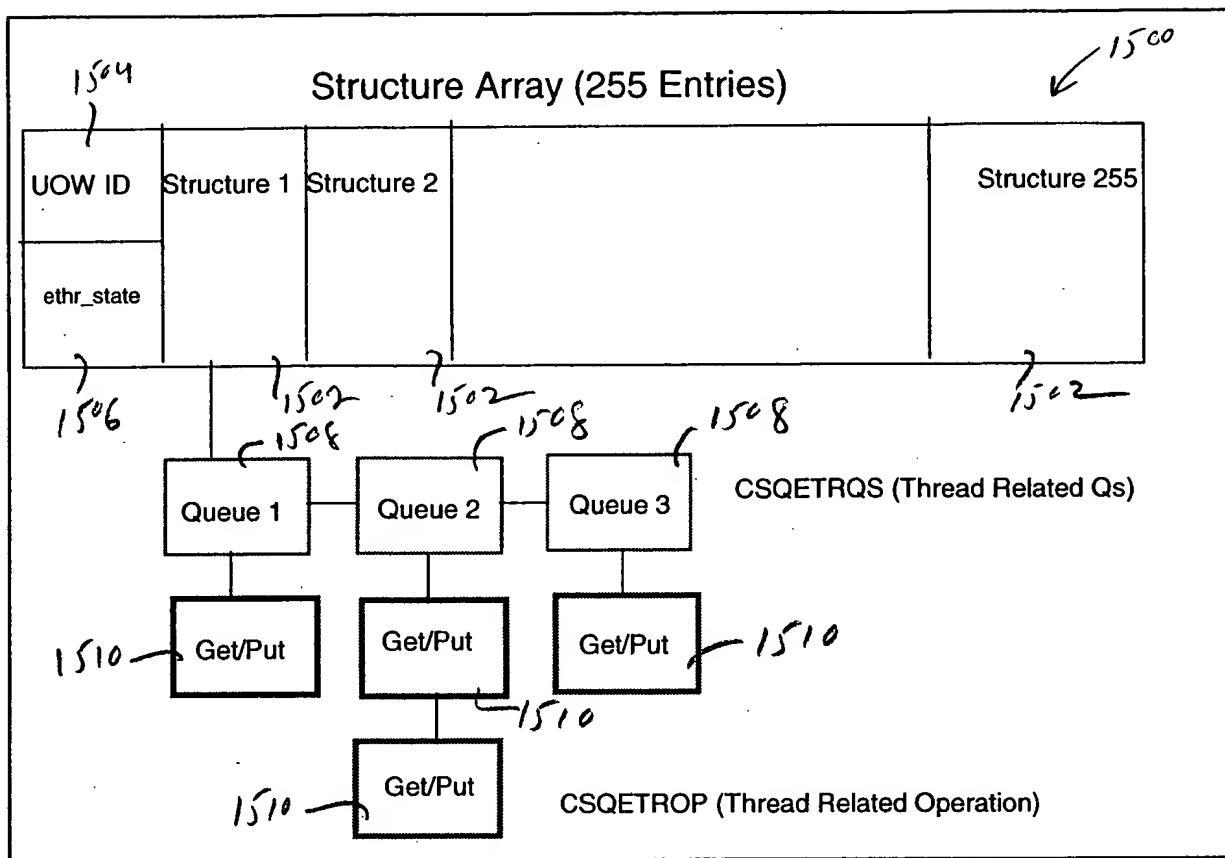


Fig. 15

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COMMITTED	UNCOMMITTED
M1 M2 M5	M3(Non-P) M4(Persistent)

Fig. 16A

	COMMITTED	UNCOMMITTED
Priority	M1 M2 M5 9 9 9	M4(Persistent) M3(Non-Persistent) 0 9

Fig. 16B

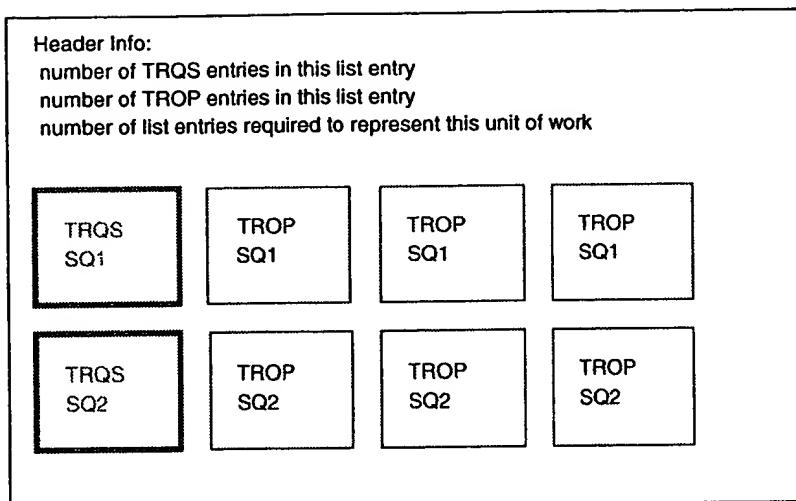
	COMMITTED	UNCOMMITTED
Inverted Priority	M1 M2 M5 9 9 9	M3(Non-persistent) M4(Persistent) 7 8
Input Priority (non inverted)	0 0 0	2 1

Fig. 16C

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1700



4K in size

KEY OF ENTRY:

- 1 byte SQM numeric ID
- 7 bytes (high order) of STCK
- 1 byte structure id. All TRQSEs map to this structure
- 3 bytes bytes binary zero
- 4 byte sequence component

Fig. 17

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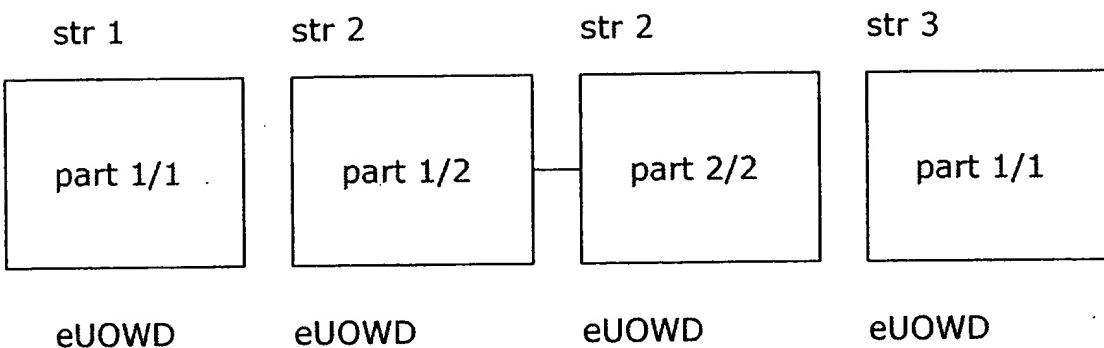


Fig. 18

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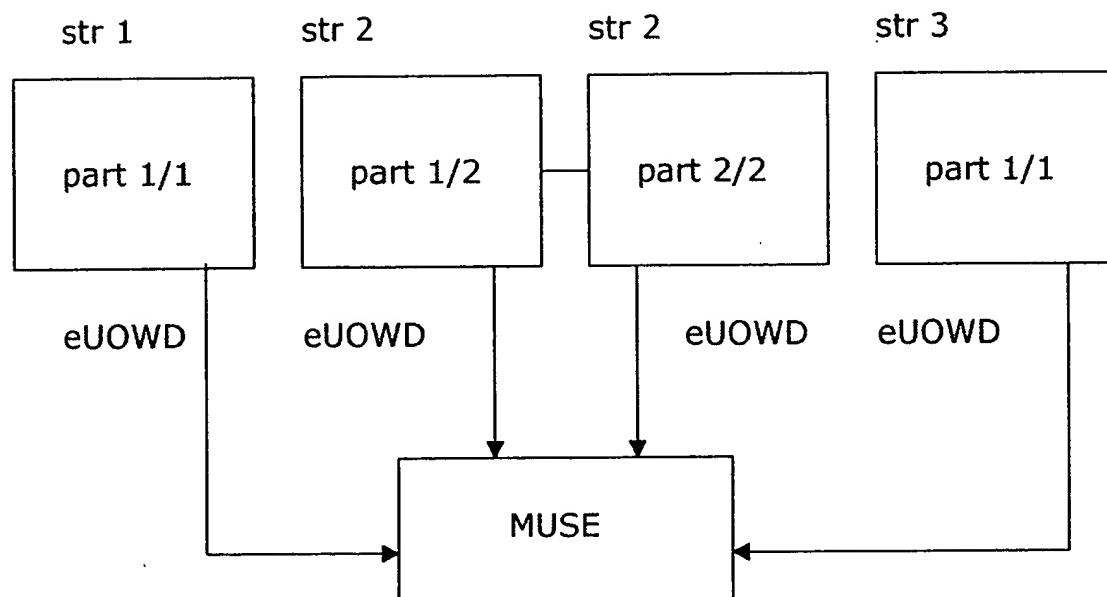


Fig. 19